

**Notice of Allowability**

Application No.

09/980,559

Examiner

Bao Qun Li

Applicant(s)

YANAGI ET AL.

Art Unit

1648

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11/14-11/17/2005.
2. ☒ The allowed claim(s) is/are 1-11 and 37.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input checked="" type="checkbox"/> Notice of Informal Patent Application (PTO-152)                 |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date <u>20</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                                    |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance                   |
|   | 9. <input type="checkbox"/> Other _____  |

Bao Qun Li

Art Unit: 1648

### Quayle Action

1. This application is in condition for allowance except for the following formal matters:

1). On page 30, please add the sequence identification numbers (SEQ ID Nos:) to the primers disclosed in Table 1.

2). Please comply with the sequence rule for the sequence disclosures in Figures 3 and 6-7 of the drawings.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Nancy Vensko on October 27, 31, and November 01, 2005.

The application has been amended as follows:

Claim 2 (current amended). In line 4-5, please delete "or encodes an amino acid sequence that differs from that of SEQ ID NO: 2 by < 2.2% at the amino acid level"

Claim 3 (current amended). In line 2-4, please delete "or comprising a nucleic acid sequence that differs from that of SEQ ID NO: 1 from nucleotide 341-9439, which encodes to the ORF, by < 4.1% at the amino acid level"

Claim 4 (current amended). In line 2, please delete "or 38"

Claim 5 (current amended). In line 2, please delete "or 39"

Claim 8 (current amended). In line 1, please delete "A" and insert --- An in vitro ---

Claim 9 (current amended). In line 1, please delete "A" and insert --- An in vitro ---

Claim 10 (current amended). In line 1, please delete "A" and insert --- An in vitro ---

Claim 11 (current amended). In line 1, please delete "A" and insert --- An in vitro ---

Claim 37 (current amended). In line 1, please insert --- claim 2 or 3 --- and in line 2, please delete "claim 2, 3, 38 or 39"

Please cancel claims 38-39.

Claims 2-11 and 37 are allowed.


2. The following is an examiner's statement of reasons for allowance: No prior art teaches and suggests the isolated nucleic acid molecule which encodes a particular mutated HCV genotype 2a isolate, HCV J6-CH, wherein said nucleic acid molecule has nucleic acid sequence of SEQ ID NO: 1, which encodes an amino acid sequence of SEQ ID NO: 2.

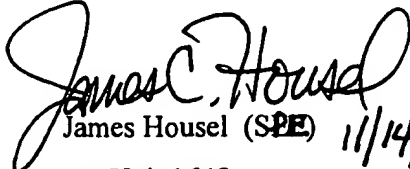
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bao Qun Li whose telephone number is 571-272-0904. The examiner can normally be reached on 7:00 am to 3:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Housel can be reached on 571-272-0902. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Bao Qun Li, MD  
11/01/2005

  
James Housel (SPE) 11/14/05  
Art Unit 1648

JAMES HOUSEL  
SUPERVISORY PATENT EXAMINER  
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